

II. REMARKS

A. Introduction

In this Office Action claims 1-6 are noted as pending and rejected based on prior art.

In summary of this Response, claims 1 and 5 are amended, and new claims 7-10 are added, a Terminal Disclaimer is filed and remarks are provided.

B. Claim Amendments

Independent claims 1 and 5 have been amended to recite a waterproof layer and a light reflecting layer. Support can be found, e.g., page 11, line 20 to page 12, line 6 and page 27, line 19 to page 28, line 9.

New claims 7-14 recite different scopes of light emission control of the invention and support can be found, e.g., at page 23, line 10 to page 26, line 19.

New claims 11-16 recite various thickness and pigment embodiments, and support can be found at, e.g., page 18, lines 8-9 and 22.

New claims 21-26 recite light-reflecting layer characteristics and support can be found at, e.g., page 27, lines 22-25.

New claims 27-28 recite resins for the waterproof layer as described at, e.g., page 11, line 20, page 12, line 6.

New claims 29-30 recite a coloring pigment containing waterproof layer as described on page 37, lines 16-19.

B. Objections

On page 2 of the Office Action the abstract is objected to as being too long. The abstract is amended herein to avoid the objection.

On page 2 claims 3, 4 and 6 as they do not add any further substantive limitations to the independent claims from which they depend.

In each independent claim, the term "plurality" has been deleted, which recitation is retained in each of these dependent claims.

C. Double Patenting Rejection

Independent claims 1 and 5 have been provisionally rejected on the ground of obviousness type double patenting over claim 11 of co-pending U.S. Patent Application Serial No. 10/624,682 and over claim 3 of co-pending U.S. Patent Application Serial No. 10/637,574. In this regard, the Examiner indicates that these claims are "anticipated" by the respective the

claims of the co-pending applications. The use of the term "anticipated" is not believed correct since there are differences between the respective claims, as evidenced at least by the "obviousness" type rejection, which is distinguished from the same-type "double patenting" rejection. See MPEP § 804, II.

Nevertheless, in response to the obviousness-type double patenting rejections, a Terminal Disclaimer for the Assignee is being submitted. Also attached is the appropriate \$130.00 disclaimer fee set by 37 C.F.R. § 1.20(d).

In light of the filing of this Terminal Disclaimer, it is respectfully submitted that this double patenting rejection has been overcome.

D. Rejection of Claims 1-6

Claims 1, 2 and 5 are rejected as being made obvious by a combination of Fukuda et al., U.S. Patent No. 6,727,647 and Lutschounig et al., U.S. Patent No. 6,144,156.

For the following reasons, it is respectfully submitted that the present invention, as recited by claims 1, 2 and 5, were not rendered obvious by the cited combination.

Fukuda et al. is cited for showing a light-emitting layer, an electrode section, an electrically conductive material, application of AC voltage, and certain spacing of the electrodes, but it is acknowledged that this primary reference lacks a teaching of the width of the electrodes. Nevertheless, Lutschounig is cited for teaching this width.

For the following reasons, it is respectfully submitted that the present invention, as recited by claims 1-30, was not rendered obvious by the cited art .

The cited references, either alone or combined, fail to teach an electroluminescence light emitting display system or an electroluminescence light emitting sheet comprising at least both a waterproof layer disposed on one side of the electrode section facing a light-emitting layer, and a light reflection layer disposed on the same side of the light-emitting layer, as claimed in the amended independent claims 1 and 5.

Fukuda et al. discloses only a reflecting layer 28 which is between the light emitting layer 26 and the electrode layer 20. However, there is no waterproof layer on this same side of the light emitting layer 26. Fukuda et al. does describe a top coat 30, but same is located on the opposite side of the light emitting layer 26. Fukuda et al. teaches away from placing the top coat 30 elsewhere, since it states : "The top coating 30 is provided to cover one of opposite major surfaces of the EL-light emitting layer 26, which is remote from the electrically insulating layer 28, so that the top coating provides the light-emitting surface area A on which the light-emitting pattern 12 of the electrically conductive ink 11 is formed." Col. 6, lines 16-36. Thus, the top coat

is used to form the surface upon which the ink is placed by the user, i.e., the external writing surface of the device.

Lutshounig~~Lutshounig~~ et al. fails to compensate for the incomplete teaching of Fukuda et al. While this reference discusses insulating and luminescent films (4-6), a cover film (24), a synthetic resin coating (8a), etc., it fails to suggest the combination as recited, and particularly fails to suggest a waterproof layer juxtaposed as recited, and fails to suggest modification of Fukuda et al. to include same as recited.

Further, in particular regard to independent claim 1, and to illustrate the deficiencies of Lutshounig et al. to the presently recited invention, Fig. 5 thereof shows an electrically conductive material (8b) placed on the light-emitting layer. However, in Fig. 5 of Lutshounig et al., the purported "electrically conductive material" (8b), as well as the electrode (8b) and the electrode (2a), are all formed on the same side of the light-emitting layer. See Fig. 5, as well as Figs. 4 and 6. The description of Fig. 4 indicates that after the electrodes 2(a), 8(a) and 8(b) are formed, the electroluminescent layer is formed thereover. Col. 4, lines 36-48.

E. Information Disclosure Statements

On December 30, 2004, Applicant submitted an Information Disclosure Statement, copy attached. It is respectfully requested that the PTO 1449 attached thereto be initialed by the Examiner and returned to Applicant with the next Action.

III. CONCLUSION

In light of the above amendments and remarks, it is respectfully submitted that claims 1-10 are now in condition for allowance.

If there are any additional fees associated with this Response, please charge same to our Deposit Account No. 19-3935.

Serial No. 10/620,422

Finally, if there are any formal matters remaining after this Response, the undersigned would appreciate a telephone conference with the Examiner to attend to these matters.

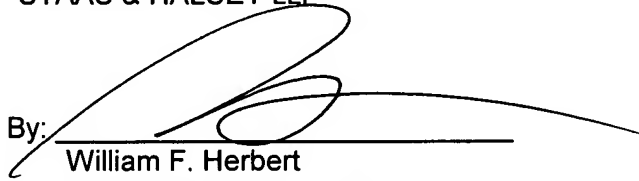
Respectfully submitted,

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2/28/05

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